Client's ref: electrochemical cell File: 0640-5123US/final/Jessica Chen

## What is claimed is:

1 1. A metal-air cell having an anode/electrolyte and a 2 cathode with a separator positioned there-between, said cell 3 comprising:

a container having an upper interior surface and a

lower interior surface for housing said anode/electrolyte

and said cathode;

a spring disposed on said upper interior surface;

a cover electrically connected to said cathode and having at least one recess;

at least one o-ring disposed on said lower interior surface facing said at least one recess;

wherein said spring is compressed when a predetermined force is applied so that said at least one o-ring and said at least one recess are separated, thereby forming an inlet to introduce air for electrochemical reaction; and said spring is expanded when said predetermined force is removed so that said at least one o-ring is inserted within said at least one recess to obstruct the air.

2. A metal-air cell as claimed in Claim 1, wherein said predetermined force is applied by a cell holder.

3. A metal-air cell as claimed in Claim 1, wherein said container is a can-shaped container.

4. A metal-air cell as claimed in Claim 1, further comprising a gas-permeable membrane disposed around said cathode and along said interior sidewalls to prevent moisture from exiting the cell.

Client's ref: electrochemical cell File: 0640-5123US/final/Jessica Chen

5. A metal-air cell as claimed in Claim 4, wherein said gas-permeable membrane comprises a hydrophobic material.

1

1 6. A metal-air cell as claimed in Claim 1, wherein said anode is consisted of zinc.

1